

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

IN THE CLAIMS:

Claim 1 (Currently Amended) Electromagnet for actuating a valve, the electromagnet (28) comprising an armature (58) which can be axially displaced in an armature space (57, 77) and of which the axial motion displaces a tappet (29) to the valve and a reflux channel (69, 71, 73) connected to the armature space (57, 77) being provided, via which the armature space (57, 77) is connected to a tank volume (25) for removing a pressure medium leakage flow that is flowing out of the valve into the armature space (57, 77),

~~characterized in that~~ wherein at least one first channel portion (69) of the reflux channel (96, 71, 73) is arranged in a pole tube (50) and in that a second channel portion (71) of the reflux channel is provided in a housing cover (53) and which discharges from the housing cover (53) on a surface provided for abutment against a valve housing (7).

Claim 2 (Currently Amended) Electromagnet according to claim 1,
~~characterized in that~~ wherein the reflux channel (69, 71, 73) discharges in a radially expanded portion (56) of a through passage (51) connected to the armature space (56, 77).

Claim 3 (Currently Amended) Electromagnet according to claim 1,
~~characterized in that~~ wherein the reflux channel (69, 71, 73) discharges directly into the
armature space (57, 77).

Claim 4 (Currently Amended) Electromagnet according to ~~any one of claims 1 to 3,~~
~~characterized in that~~ claim 1, wherein a rear armature space (77) constructed on the side of the
armature (58) facing away from the tappet (29) is connected to the armature space (57) by means
of at least one armature channel (59).

Claim 5 (Currently Amended) Electromagnet according to ~~any one of claims 1 to 4,~~
~~characterized in that~~ claim 1, wherein the tank volume connected to the armature space (57,
77) via the reflux channel (69, 71, 73) is a tank volume (25) constructed in the valve.